

(Interference Search)

Refine Search

Search Results -

Terms	Documents
line format\$4 and screen\$1 and (fixed same column\$3) and (adjust\$3 same spill\$3 same bottom same top)	0

Database:

US Pre-Grant Publication Full-Text Database
 US Patents Full-Text Database
 US OCR Full-Text Database
 EPO Abstracts Database
 JPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Search:

L1

Refine Search

Recall Text

Clear

Interrupt

Search History

DATE: Sunday, June 25, 2006 [Printable Copy](#) [Create Case](#)

Set
Name Query
 side by
 side

Hit
Count Set
 Name
 result set

DB=PGPB; PLUR=YES; OP=ADJ

L1 line format\$4 and screen\$1 and (fixed same column\$3) and (adjust\$3 same spill\$3 same bottom same top)

0 L1

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
L11 and L2	30

Database:

US Pre-Grant Publication Full-Text Database
 US Patents Full-Text Database
 US OCR Full-Text Database
 EPO Abstracts Database
 JPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Search:

Refine Search

Recall Text

Clear

Interrupt

Search History

DATE: Sunday, June 25, 2006 [Printable Copy](#) [Create Case](#)

Set Name Query
side by side

Hit Count Set Name
result set

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ

<u>L1</u>	(document same edit\$3) and (column\$3 same scroll\$4)	237	<u>L1</u>
<u>L2</u>	(document\$1) and (column\$3 same scroll\$4)	1138	<u>L2</u>
<u>L3</u>	L2 and (spill\$3 same text)	4	<u>L3</u>
<u>L4</u>	L2 and (chaining same column\$1)	1	<u>L4</u>
<u>L5</u>	L2 and (spill\$3 same (text or line\$1))	5	<u>L5</u>
<u>L6</u>	L2 and split screen\$1	31	<u>L6</u>
<u>L7</u>	L6 and script\$3	20	<u>L7</u>
<u>L8</u>	715/526.ccls.	612	<u>L8</u>
<u>L9</u>	715/502.ccls.	166	<u>L9</u>
<u>L10</u>	715/513.ccls.	2697	<u>L10</u>
<u>L11</u>	715/784-786.ccls.	423	<u>L11</u>
<u>L12</u>	L8 and L2	13	<u>L12</u>
<u>L13</u>	L9 and L2	3	<u>L13</u>
<u>L14</u>	L10 and L2	36	<u>L14</u>

07/31, 716

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L15 L11 and L2

30 L15

END OF SEARCH HISTORY

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Search Results - Record(s) 1 through 3 of 3 returned.

☐ 1. Document ID: US 20050091576 A1

L13: Entry 1 of 3

File: PGPB

Apr 28, 2005

PGPUB-DOCUMENT-NUMBER: 20050091576

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050091576 A1

TITLE: Programming interface for a computer platform

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. Data
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	------------

☐ 2. Document ID: US 6125375 A

L13: Entry 2 of 3

File: USPT

Sep 26, 2000

US-PAT-NO: 6125375

DOCUMENT-IDENTIFIER: US 6125375 A

TITLE: Apparatus for visualizing program slices

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. Data
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	------------

☐ 3. Document ID: US 5557716 A

L13: Entry 3 of 3

File: USPT

Sep 17, 1996

US-PAT-NO: 5557716

DOCUMENT-IDENTIFIER: US 5557716 A

**** See image for Certificate of Correction ****

TITLE: Graph drawing

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. Data
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	------------

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Terms	Documents
L9 and L2	3

Hit List

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Search Results - Record(s) 1 through 13 of 13 returned.

☐ 1. Document ID: US 20060085743 A1

L12: Entry 1 of 13

File: PGPB

Apr 20, 2006

PGPUB-DOCUMENT-NUMBER: 20060085743

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060085743 A1

TITLE: Semantic thumbnails

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 2. Document ID: US 20050223323 A1

L12: Entry 2 of 13

File: PGPB

Oct 6, 2005

PGPUB-DOCUMENT-NUMBER: 20050223323

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050223323 A1

TITLE: Printing data editing apparatus and printing data editing program stored on computer-readable storage medium

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 3. Document ID: US 20040139400 A1

L12: Entry 3 of 13

File: PGPB

Jul 15, 2004

PGPUB-DOCUMENT-NUMBER: 20040139400

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040139400 A1

TITLE: Method and apparatus for displaying and viewing information

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 4. Document ID: US 20030014445 A1

L12: Entry 4 of 13

File: PGPB

Jan 16, 2003

PGPUB-DOCUMENT-NUMBER: 20030014445
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030014445 A1

TITLE: Document reflowing technique

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMMC	Draw D
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☐ 5. Document ID: US 20020116420 A1

L12: Entry 5 of 13

File: PGPB

Aug 22, 2002

PGPUB-DOCUMENT-NUMBER: 20020116420
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020116420 A1

TITLE: Method and apparatus for displaying and viewing electronic information

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMMC	Draw D
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	--------

☐ 6. Document ID: US 7055097 B1

L12: Entry 6 of 13

File: USPT

May 30, 2006

US-PAT-NO: 7055097
DOCUMENT-IDENTIFIER: US 7055097 B1

TITLE: Displaying a large amount of information in a browser window

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMMC	Draw D
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☐ 7. Document ID: US 6976212 B2

L12: Entry 7 of 13

File: USPT

Dec 13, 2005

US-PAT-NO: 6976212
DOCUMENT-IDENTIFIER: US 6976212 B2

TITLE: Method and apparatus for the construction and use of table-like visualizations of hierarchic material

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMMC	Draw D
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☐ 8. Document ID: US 6944818 B2

L12: Entry 8 of 13

File: USPT

Sep 13, 2005

US-PAT-NO: 6944818

DOCUMENT-IDENTIFIER: US 6944818 B2

TITLE: Method and apparatus for the viewing and exploration of the content of hierarchical information

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 9. Document ID: US 6205454 B1

L12: Entry 9 of 13

File: USPT

Mar 20, 2001

US-PAT-NO: 6205454

DOCUMENT-IDENTIFIER: US 6205454 B1

**** See image for Certificate of Correction ****

TITLE: Web browser row control

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 10. Document ID: US 5940844 A

L12: Entry 10 of 13

File: USPT

Aug 17, 1999

US-PAT-NO: 5940844

DOCUMENT-IDENTIFIER: US 5940844 A

TITLE: Method and apparatus for displaying electronic image of a check

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 11. Document ID: US 5680636 A

L12: Entry 11 of 13

File: USPT

Oct 21, 1997

US-PAT-NO: 5680636

DOCUMENT-IDENTIFIER: US 5680636 A

**** See image for Certificate of Correction ****TITLE: Document annotation and manipulation in a data processing system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 12. Document ID: US 5623679 A

L12: Entry 12 of 13

File: USPT

Apr 22, 1997

US-PAT-NO: 5623679

DOCUMENT-IDENTIFIER: US 5623679 A

TITLE: System and method for creating and manipulating notes each containing multiple sub-notes, and linking the sub-notes to portions of data objects

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMMC	Draw D
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☐ 13. Document ID: US 4506343 A

L12: Entry 13 of 13

File: USPT

Mar 19, 1985

US-PAT-NO: 4506343

DOCUMENT-IDENTIFIER: US 4506343 A

TITLE: Column layout reference area display management

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMMC	Draw D
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Terms	Documents
L8 and L2	13

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Search Results - Record(s) 1 through 5 of 5 returned.

☐ 1. Document ID: US 20050240756 A1

L5: Entry 1 of 5

File: PGPB

Oct 27, 2005

PGPUB-DOCUMENT-NUMBER: 20050240756

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050240756 A1

TITLE: System and method for improving the efficiency, comfort, and/or reliability in Operating Systems, such as for example Windows.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	--------

☐ 2. Document ID: US 5208906 A

L5: Entry 2 of 5

File: USPT

May 4, 1993

US-PAT-NO: 5208906

DOCUMENT-IDENTIFIER: US 5208906 A

**** See image for Certificate of Correction ****

TITLE: Method and apparatus for representing bordered areas of a generic form with records

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 3. Document ID: US 5148520 A

L5: Entry 3 of 5

File: USPT

Sep 15, 1992

US-PAT-NO: 5148520

DOCUMENT-IDENTIFIER: US 5148520 A

**** See image for Certificate of Correction ****

TITLE: Determining the locations of the contents of bordered areas of a generic form

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 4. Document ID: US 5144693 A

L5: Entry 4 of 5

File: USPT

Sep 1, 1992

US-PAT-NO: 5144693

DOCUMENT-IDENTIFIER: US 5144693 A

**** See image for Certificate of Correction ****

TITLE: Method and apparatus for generic form generation

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 5. Document ID: US 4435776 A

L5: Entry 5 of 5

File: USPT

Mar 6, 1984

US-PAT-NO: 4435776

DOCUMENT-IDENTIFIER: US 4435776 A

TITLE: Word processing system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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Terms

Documents

L2 and (spill\$3 same (text or line\$1))

5

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 Relevance scale ☐ ☐ ☐ ☐ ☐

41 [Efficient Web form entry on PDAs](#)



Oliver Kaljuvee, Orkut Buyukkokten, Hector Garcia-Molina, Andreas Paepcke

 April 2001 **Proceedings of the 10th international conference on World Wide Web**

Publisher: ACM Press

 Full text available: pdf(398.94 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)
Keywords: PDA, WAP, forms, mobile computing, wireless access

42 [Seeing the whole in parts: text summarization for web browsing on handheld devices](#)



Orkut Buyukkokten, Hector Garcia-Molina, Andreas Paepcke

 April 2001 **Proceedings of the 10th international conference on World Wide Web**

Publisher: ACM Press

 Full text available: pdf(1.48 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)
Keywords: PDA, WAP, handheld computers, mobile computing, personal digital assistant, summarization, ubiquitous computing, wireless computing

43 [Towards second and third generation web-based multimedia](#)



Jacco van Ossenbruggen, Joost Geurts, Frank Cornelissen, Lynda Hardman, Lloyd Rutledge

 April 2001 **Proceedings of the 10th international conference on World Wide Web**

Publisher: ACM Press

 Full text available: pdf(563.48 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)
Keywords: SMIL, XML, XSLT, multimedia, transformations


44 [Robust annotation positioning in digital documents](#)



A. J. Bernheim Brush, David Barger, Anoop Gupta, J. J. Cadiz

 March 2001 **Proceedings of the SIGCHI conference on Human factors in computing systems**

Publisher: ACM Press

Full text available:  pdf(397.50 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Increasingly, documents exist primarily in digital form. System designers have recently focused on making it easier to read digital documents, with annotation as an important new feature. But supporting annotation well is difficult because digital documents are frequently modified, making it challenging to correctly reposition annotations in modified versions. Few systems have addressed this issue, and even fewer have approached the problem from the users' point of view. This paper reports ...

Keywords: annotation, annotation system design, digital, documents, robust


45 Music-notation searching and digital libraries



Donald Byrd

January 2001 **Proceedings of the 1st ACM/IEEE-CS joint conference on Digital libraries**

Publisher: ACM Press

Full text available:  pdf(245.26 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Almost all work on music information retrieval to date has concentrated on music in the audio and event (normally MIDI) domains. However, music in the form of notation, especially Conventional Music Notation (CMN), is of much interest to musically-trained persons, both amateurs and professionals, and searching CMN has great value for digital music libraries. One obvious reason little has been done on music retrieval in CMN form is the overwhelming complexity of CMN, which requires a very s ...

46 Model-driven development of Web applications: the AutoWeb system



Piero Fraternali, Paolo Paolini

October 2000 **ACM Transactions on Information Systems (TOIS)**, Volume 18 Issue 4

Publisher: ACM Press

Full text available:  pdf(6.94 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper describes a methodology for the development of WWW applications and a tool environment specifically tailored for the methodology. The methodology and the development environment are based upon models and techniques already used in the hypermedia, information systems, and software engineering fields, adapted and blended in an original mix. The foundation of the proposal is the conceptual design of WWW applications, using HDM-lite, a notation for the specification of structure, nav ...

Keywords: HTML, WWW, application, development, intranet, modeling

47 Designs conducive to the use of efficient strategies



Suresh K. Bhavnani

August 2000 **Proceedings of the conference on Designing interactive systems: processes, practices, methods, and techniques**

Publisher: ACM Press

Full text available:  pdf(239.14 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Studies on the widespread inefficient use of complex computer applications have suggested that users need to learn efficient strategies in addition to learning how to use tools. This paper argues that our growing understanding of strategic knowledge can be used to guide designers develop systems which are conducive to the use of efficient strategies. The paper first describes ten general strategies which appear to be useful

across three computer application domains. Next, the paper discusse ...

Keywords: design, efficiency, strategic knowledge, strategy, training

48 A suite of WWW-based tools for advanced course management



Kurt Nørmark

July 2000

ACM SIGCSE Bulletin , Proceedings of the 5th annual SIGCSE/SIGCUE ITiCSEconference on Innovation and technology in computer science education ITiCSE '00, Volume 32 Issue 3

Publisher: ACM Press

Full text available: pdf(513.87 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

A collection of tools for creation of advanced and comprehensive course home pages is presented. The tools cover the spectrum from course overview pages and hypertext teaching materials to interactive services that support the teaching activities during the course. From the teacher's perspective the tools allow for abstraction from details and automation of routine work in the authoring process. Seen from a student's perspective the comprehensive linking of course plans, teaching material, and i ...

49 Beyond 2D images: effective 3D imaging for library materials



Michael S. Brown, W. Brent Seales

June 2000

Proceedings of the fifth ACM conference on Digital libraries

Publisher: ACM Press

Full text available: pdf(2.50 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citings](#), [index terms](#)

Significant efforts are being made to digitize rare and valuable library materials, with the goal of providing patrons and historians digital facsimiles that capture the "look and feel" of the original materials. This is often done by digitally photographing the materials and making high resolution 2D images available. The underlying assumption is that the objects are flat. However, older materials may not be flat in practice, being warped and crinkled due to decay, neglect, accident and the pas ...

Keywords: 3D scanning, acquisition, digital libraries, digitization, document acquisition, historic preservation, preservation

50 Compus: visualization and analysis of structured documents for understanding social life in the 16th century



Jean-Daniel Fekete, Nicole Dufournaud

June 2000

Proceedings of the fifth ACM conference on Digital libraries

Publisher: ACM Press

Full text available: pdf(1.76 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citings](#), [index terms](#)

This article describes the Compus visualization system that assists in the exploration and analysis of structured document corpora encoded in XML. Compus has been developed for and applied to a corpus of 100 French manuscript letters of the 16th century, transcribed and encoded for scholarly analysis using the recommendations of the Text Encoding Initiative. By providing a synoptic visualization of a corpus and allowing for dynamic queries and structural transformations, Compus ...

Keywords: SGML, TEI, XML, XSL, computers and the humanities, history, information visualization, structured documents, visual data mining

51 Power browser: efficient Web browsing for PDAs

Orkut Buyukkokten, Hector Garcia-Molina, Andreas Paepcke, Terry Winograd

April 2000 **Proceedings of the SIGCHI conference on Human factors in computing systems****Publisher:** ACM PressFull text available: pdf(992.84 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citings](#), [index terms](#)

We have designed and implemented new Web browsing facilities to support effective navigation on Personal Digital Assistants (PDAs) with limited capabilities: low bandwidth, small display, and slow CPU. The implementation supports wireless browsing from 3Com's Palm Pilot. An HTTP proxy fetches web pages on the client's behalf and dynamically generates summary views to be transmitted to the client. These summaries represent both the link structure and contents of a set of web pages, using infor ...

Keywords: HTTP, PDA (personal digital assistant), PalmPilot, Web, browser, proxy, wireless

52 LaTeX for secretaries

Jacek Artymiak

February 2000 **Linux Journal****Publisher:** Specialized Systems Consultants, Inc.Full text available: html(21.97 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

How to survive without Microso

53 The whiteboardJanuary 2000 **interactions**, Volume 7 Issue 1**Publisher:** ACM PressFull text available: pdf(478.76 KB) html(20.15 KB) Additional Information: [full citation](#), [index terms](#)**54** Incremental document formatting

Pehong Chen, Michael A. Harrison, Ikuo Minakata

January 2000 **Proceedings of the ACM conference on Document processing systems****Publisher:** ACM PressFull text available: pdf(631.10 KB) Additional Information: [full citation](#), [references](#), [index terms](#)**55** Papers: MoCCA: a mobile communication and computing architecture

Asim Smailagic, Dan Siewiorek, Bob Iannucci, Anton Dahbura, Len Bass

October 1999 **ACM SIGMOBILE Mobile Computing and Communications Review**, Volume 3 Issue 4**Publisher:** ACM PressFull text available: pdf(1.27 MB) Additional Information: [full citation](#), [abstract](#), [references](#)

The Mobile Communication and Computing Architecture (MoCCA) was built to support field-based teams of service engineers to collaborate autonomously and perform their activities in an on-the-move working environment. There is no physical contact among the members of a group of geographically distributed mobile field service engineers (FSEs) to share/build corporate memory. The challenge was to provide a system that allowed the FSEs to access information and advice from other FSEs while on custome ...

56 CHIME: customizable hyperlink insertion and maintenance engine for software engineering environments

P. Devanbu, Y.-F. Chen, E. Gansner, H. Müller, J. Martin

May 1999 **Proceedings of the 21st international conference on Software engineering**

Publisher: IEEE Computer Society Press

Full text available:  pdf(1.28 MB) Additional Information: [full citation](#), [references](#), [citings](#), [index terms](#)

57 Flatland: new dimensions in office whiteboards



Elizabeth D. Mynatt, Takeo Igarashi, W. Keith Edwards, Anthony LaMarca

May 1999 **Proceedings of the SIGCHI conference on Human factors in computing systems: the CHI is the limit**

Publisher: ACM Press

Full text available:  pdf(1.11 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citings](#), [index terms](#)

Flatland is an augmented whiteboard interface designed for informal office work. Our research investigates approaches to building an augmented whiteboard in the context of continuous, long term office use. In particular, we pursued three avenues of research based on input from user studies: techniques for the management of space on the board, the ability to flexibly apply behaviors to support varied application semantics, and mechanisms for managing history on the board. Unlike some p ...

Keywords: Flatland, light-weight interaction, pen-based computing, ubiquitous computing, whiteboards

58 Supporting the restructuring of data abstractions through manipulation of a program visualization



Robert W. Bowdidge, William G. Griswold

April 1998 **ACM Transactions on Software Engineering and Methodology (TOSEM)**, Volume 7 Issue 2

Publisher: ACM Press

Full text available:  pdf(1.57 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citings](#), [index terms](#)

With a meaning-preserving restructuring tool, a software engineer can change a program's structure to ease future modifications. However, deciding how to restructure the program requires a global understanding of the program's structure, which cannot be derived easily by directly inspecting the source code. We describe a manipulable program visualization—the star diagram—that supports the restructuring task of encapsulating a global data structure. The star diag ...

Keywords: meaning-preserving restructuring, semi-automated restructuring, software visualization, star diagram, tool-supported restructuring


59 Controlling access in multiuser interfaces



Prasun Dewan, Honghai Shen

March 1998 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 5 Issue 1

Publisher: ACM Press

Full text available:  pdf(182.07 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citings](#), [index terms](#), [review](#)

Traditionally, access control has been studied in the areas of operating systems and database management systems. With the advent of multiuser interfaces, there is a need

to provide access control in the user interface. We have developed a general framework for supporting access control in multiuser interfaces. It is based on the classical notion of an access matrix, a generalized editing-based model of user-application interaction, and a flexible model of user-user coupling. It has been de ...

Keywords: access control, collaboration, computer-supported cooperative work, groupware, privacy, security, structure editors, user interface management systems

60 Hi-cites: dynamically created citations with active highlighting



Michelle Q. Wang Baldonado, Terry Winograd

January 1998 **Proceedings of the SIGCHI conference on Human factors in computing systems**

Publisher: ACM Press/Addison-Wesley Publishing Co.

Full text available: pdf(990.23 KB) Additional Information: [full citation](#), [references](#), [citing](#)s, [index terms](#)

Keywords: browsing, digital libraries, dynamic citations, hi-cites, highlighting, information visualization

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61 [Web page design: implications of memory, structure and scent for information](#)


[retrieval](#)

Kevin Larson, Mary Czerwinski

 January 1998 **Proceedings of the SIGCHI conference on Human factors in computing systems**

Publisher: ACM Press/Addison-Wesley Publishing Co.

Full text available: pdf(1.05 MB)

 Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: depth and breadth in information design, hypertext, information retrieval, memory, searching, web page design

62 [Conversational gestures for direct manipulation on the audio desktop](#)



T. V. Raman

 January 1998 **Proceedings of the third international ACM conference on Assistive technologies**

Publisher: ACM Press

Full text available: txt(14.98 KB)

 Additional Information: [full citation](#), [references](#), [index terms](#)

63 [Fast detection of communication patterns in distributed executions](#)



Thomas Kunz, Michiel F. H. Seuren

 November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**

Publisher: IBM Press



Full text available: pdf(4.21 MB)




 Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...




64




[Web review: a Web-based documentation review tool](#)





-  Robin Green
October 1997 **Proceedings of the 15th annual international conference on Computer documentation**
Publisher: ACM Press
Full text available:  pdf(701.63 KB) Additional Information: [full citation](#), [citations](#), [index terms](#)

- 65 [Pen-based interaction techniques for organizing material on an electronic whiteboard](#) 
 Thomas P. Moran, Patrick Chiu, William van Melle
October 1997 **Proceedings of the 10th annual ACM symposium on User interface software and technology**
Publisher: ACM Press
Full text available:  pdf(1.34 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: emergent structure, freeform interaction, gestural interfaces, implicit structure, informal systems, list structures, meeting support tools, pen-based systems, recognitin-based systems, structural grouping, user interface design, whiteboard metaphor

- 66 [How electronic outlining can help you create online materials](#) 
 Jonathan Price
October 1997 **Proceedings of the 15th annual international conference on Computer documentation**
Publisher: ACM Press
Full text available:  pdf(1.37 MB) Additional Information: [full citation](#), [references](#), [index terms](#)

- 67 [Seven work plans for year-2000 upgrade projects](#) 
 Dick Lefkon
May 1997 **Communications of the ACM**, Volume 40 Issue 5
Publisher: ACM Press
Full text available:  pdf(201.03 KB) Additional Information: [full citation](#), [index terms](#)

- 68 [Making a digital library: the contents of the CORE project](#) 
 Richard Entlich, Jan Olsen, Lorrin Garson, Michael Lesk, Lorraine Normore, Stuart Weibel
April 1997 **ACM Transactions on Information Systems (TOIS)**, Volume 15 Issue 2
Publisher: ACM Press
Full text available:  pdf(1.50 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

The CORE (Chemical Online Retrieval Experiment) project is a library of primary journal articles in chemistry. Any library has an inside and an outside; in this article we describe the inside of the library and the methods for building the system and accumulating the database. A later article will describe the outside (user experiences). Among electronic-library projects, the CORE project is unusual in that it has both ASCII derived from typesetting and image data for all its pages, and amo ...

Keywords: image segmentation

69 Software visualization for debugging

Ron Baecker, Chris DiGiano, Aaron Marcus

April 1997 **Communications of the ACM**, Volume 40 Issue 4

Publisher: ACM Press

Full text available: pdf(509.26 KB) Additional Information: [full citation](#), [references](#), [citings](#), [index terms](#)70 Inventing the Lisa user interface

Roderick Perkins, Dan Smith Keller, Frank Ludolph

January 1997 **interactions**, Volume 4 Issue 1

Publisher: ACM Press

Full text available: pdf(1.07 MB) Additional Information: [full citation](#), [references](#), [citings](#), [index terms](#)71 Developing single-source documentation for multiple formats

Cindy Roposh, Hanna Schoenrock

October 1996 **Proceedings of the 14th annual international conference on Systems documentation: Marshaling new technological forces: building a corporate, academic, and user-oriented triangle**

Publisher: ACM Press

Full text available: pdf(746.14 KB) Additional Information: [full citation](#), [citings](#), [index terms](#)72 A field study of exploratory learning strategies

John Rieman

September 1996 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 3 Issue 3

Publisher: ACM Press

Full text available: pdf(259.01 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citings](#), [index terms](#)

It has suggested that interactive computer users find "exploratory learning" to be an effective and attractive strategy for learning a new system or investigating unknown features of familiar software. In exploratory learning, instead of working through precisely sequenced training materials, the user investigates a system on his or her own initiative, often in pursuit of a real or artificial task. The value of exploratory learning has been studied in controlled settings, with s ...

Keywords: diary studies, discovery learning, exploratory learning, learning in the workplace, learning on demand

73 Accessing relational databases from the World Wide Web

Tam Nguyen, V. Srinivasan

June 1996 **ACM SIGMOD Record , Proceedings of the 1996 ACM SIGMOD international conference on Management of data SIGMOD '96**, Volume 25 Issue 2

Publisher: ACM Press

Full text available: pdf(1.45 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citings](#), [index terms](#)

With the growing popularity of the internet and the World Wide Web (Web), there is a fast growing demand for access to database management systems (DBMS) from the Web. We describe here techniques that we invented to bridge the gap between HTML, the standard markup language of the Web, and SQL, the standard query language used to access

relational DBMS. We propose a flexible general purpose variable substitution mechanism that provides cross-language variable substitution between HTML input and S ...

74 Toward active, extensible, networked documents: multivalent architecture and applications



Thomas A. Phelps, Robert Wilensky

April 1996 **Proceedings of the first ACM international conference on Digital libraries**

Publisher: ACM Press

Full text available: [pdf\(1.12 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)



75 The CHI '95 conference electronic publication: introduction to an experiment



Robert Mack, Linn Marks, Dave Collins, Keith Instone

April 1996 **ACM SIGCHI Bulletin**, Volume 28 Issue 2

Publisher: ACM Press

Full text available: [pdf\(1.57 MB\)](#) Additional Information: [full citation](#), [index terms](#)



76 An Arabic programming environment



AbdulMalik S. Al-Salman

February 1996 **Proceedings of the 1996 ACM symposium on Applied Computing**

Publisher: ACM Press

Full text available: [pdf\(727.67 KB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)



Keywords: MS-Windows, arabic software, environment, programming

77 Demonstrational and constraint-based techniques for pictorially specifying application objects and behaviors



Brad Vander Zanden, Brad A. Myers

December 1995 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 2 Issue 4

Publisher: ACM Press

Full text available: [pdf\(3.70 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)



The Lapidary interface design tool is a demonstrational system that allows the graphics and run-time behaviors that go inside an application window to be specified pictorially. In particular, Lapidary allows the designer to draw example pictures of application-specific graphical objects that the end user will manipulate (such as boxes, arrows, or elements of a list), the feedback that shows which objects are selected (such as small boxes on the sides and corners of an object ...

Keywords: direct manipulation, interaction, interaction techniques, object-oriented design, programming by example, user interface management systems

78 Information design and the new media




Melinda McAdams

October 1995 **interactions**, Volume 2 Issue 4

Publisher: ACM Press

Full text available: Additional Information:



 [pdf\(332.93 KB\)](#)
[full citation](#), [references](#), [citations](#), [index terms](#)

79 [An analysis of user input to an X.500 white pages directory service](#)

Paul Barker

April 1995 **IEEE/ACM Transactions on Networking (TON)**, Volume 3 Issue 2**Publisher:** IEEE PressFull text available:  [pdf\(1.68 MB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#), [review](#)

80 [Interactive audio documents](#)



T. V. Raman, D. Gries

October 1994 **Proceedings of the first annual ACM conference on Assistive technologies****Publisher:** ACM PressFull text available:  [pdf\(630.47 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Communicating technical material orally is often hindered by the relentless linearity of audio; information flows actively past a passive listener. This is in stark contrast to communication through the printed medium, where we can actively peruse the visual display to access relevant information. ASTER is an interactive computing system for audio formatting electronic documents (presently, documents writt ...

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